

間ニ置カレルモノデアル。ソノ點デハおはつきぎぼうし節ガ近イガ、該節デハ通常葉狀苞ガ盛ニ花莖上ニ上ツテ來ルノト花蓋片ノ上側ニ位置シタモノハ概ネ直上シ、下側ニ位置シタモノハ反捲シテ他ノぎぼうしノ各種トハ花ノ展開面ガ下ヲ向ク點デ區別サレル。コノ節ニハ次ノ三種ガアル。けやりぎぼうし、さくらぎぼうし、きよすみぎぼうし。

**けやりぎぼうし** ハ大和太臺ヶ原山デ入手シタモノ。毛槍ヲ思ハセル密集シタ細筒狀鐘形ノ花ハ淡紫色ヲ帶ビテ美シイ。葉ハ小サイガおほばぎぼうしニ似テ居ル。

**さくらぎぼうし** コレモ弘前市デ栽培ノモノヲ菊池教授ガ入手サレタ。潤大シカモ鮮明ニ多數ノ葉脈ノ縱走シタ葉ト淡櫻色ヲ帶ビタ淡紫色花ガ著シイ。雄蕊ハ花冠ヨリ短カイノモ特徴デアル。

## Observationes ad Plantas Asiae Orientalis (XV)\*

auctore

Hiroshi HARA

原 寛: 東亞植物考(其十五)

89) ***Astilbe kiusiana*** HARA, sp. nov.

Syn. *Astilbe divaricata* NAKAI in Journ. Jap. Bot. XIII, p. 395 (1937) excl. syn., quoad specim.

Rhizoma crassum breviter repens apice squamis ovatis brunneis obtectum. Caulis 20–60 cm altus glabrescens vel inferiore fibris brunneis reclinatis parce obtectus. Folia 2–3-ternata; petioli petiolulique primo fibris bruneis obtecti demum glabrescentes ad nodos fibrosi; foliola ovata–lanceolato-ovata acuta vel acuminato-attenuata basi profunde vel leviter cordata raro late cuneata margine duplicato-serrata vel inciso-serrata chartacea utrinque lucidula supra parce setuloso-pilosa infra ad nervos setuloso-pilosa interdum fibris brunneis intermixta 3–8 cm longa 1–4 cm lata. Inflorescentia racemoso-

\* Contribution from the Laboratory of Systematic Botany (Prof. T. NAKAI) of the Botanical Institute, Faculty of Science, Tokyo Imperial University.

paniculata 5-25 cm longa, ramis inferioribus elongatis divaricatis, rachidibus minute denseque crispato-pilosis. Bracteae lanceolatae piceo longiores. Pedicelli brevissimi vel ad 2 mm longi puberuli. Calyx ca. 1.5 mm longa rubescens, sepalis ovatis obtusis parce pulveraceo-punctatis. Petala rosea raro alba spathulata vel linearispathulata obtusa 2-4 mm longa 0.4-1.2 mm lata. Stamina exserta ca. 2 mm longa, antheris rotundato-ovatis lilacina vel alba. Stigma punctata. Capsula rubescens cum stylis 3-4 mm longa. Semina scobiformia ca. 1.2 mm longa.

Nom. Jap. *Teriha-akashôma* (nov.)

Hab. Kyushu. prov. Hizen: in monte Taradake (F. C. GREATREX, N. 68a/37-Jul. 31, 1937-typus)—ibid. (K. OHKI-Aug. 5, 1934)—in monte Unzen (F. C. GREATREX-1930 & 1937)—ibid. (K. IWANAGA-Aug. 1928)—ibid. (S. SAITO-Jul. 18, 1925)—in monte Kinugasa (S. SAITO-Jul. 19, 1925). prov. Bungo: Kami-yû (T. SENGOKU-Aug. 18, 1925). prov. Hiuga: in monte Karakuni (K. KONDO-Oct. 21, 1926).

*Astilbe divaricata* NAKAI (*A. chinensis* var. *divaricata* NAKAI) of Korea differs from this species in having long, linear, acute petals, and leaves with glandular rigid hairs on the lower surface and the petiolule. The species is also allied to *A. Thunbergii* MIQUEL from which it is distinguished by its lustrous leaflets with often cordate base, and generally rosy petals.

90) ***Acer nipponicum* HARA, nom. nov.**

Syn. *Acer parviflorum* (non EHRHART 1789) FRANCHET et SAVATIER, Enum. Pl. Jap. II, p. 321 (1877)—MAXIMOWICZ in Bull. Acad. Imp. Sci. St.-Petersb. XXVI, p. 439 (1880)—PAX in ENGLER, Bot. Jahrb. VII, p. 247 (1886); in ENGLER, Pfl.-reich IV-163, Ht. 8, p. 69 (1902)—SCHNEIDER, Ill. Handb. Laubholzk. II, p. 236 (1907)—SHIRASAWA, Icon. Ess. Forest. Jap. II, t. 42, fig. 10-22 (1908)—KOIDZUMI, Rev. Acer. Jap. p. 11, t. I (1911)—MATSUMURA, Ind. Pl. Jap. II-2, p. 330 (1912)—REHDER, Man. Cult. Tree. & Sbrub. p. 569 (1927)

*Acer pennsylvanicum* WESMAEL subsp. 4. *parviflorum* WESMAEL in Bull. Soc. Roy. Bot. Belg. XXIX, p. 62 (1890)

*Acer crassipes* (non PAX nec HEER 1859) HESSE in Mitt. Deuts. Dendr. Ges. 21, p. 358 (1912) cum photo.

*Acer brevilobum* SCHWERIN ex KACHE in Mitt. Deuts. Dendr. Ges. 28, p. 226 (1919) pro syn., nom. nud.

Nom. Jap. *Tetsu-kaede*.

Dist. Kyushu, Shikoku and Honshu.

91) **Salvia** (*Notiosphace*) **isensis** NAKAI in sched. herb. Univ. Imp. Tokyo. (Oct. 1932)

Rhizoma perenne subrepens. Caulis erectus cum inflorescentia usque ad 40 cm altus obtuse tetragonus subglaber vel præsertim ad basin pilis patentibus t. nuibus albo-villosus. Folia subrosulata longe petiolata; petioli minute retrorso-pilosi et ad basin patentim hirsuti; laminæ pinnatæ, lobis terminalibus rhomboideo-ovatis vel rhomboideo-oblongis 1.5–2.5 cm longis obtusis crenatis basi cuneatis vel subcordatis, lobis lateralibus plerumque 2–jugis petiolulatis vel sessilibus ovatis vel oblongo-ovatis basi crenatis vel rotundatis interdum lobatis, omnibus glabris vel subtus ad venas pilosis. Racemus terminalis vel axillaris elongatus; rachis glabrescens vel minutissime retrorso-pilosus vel patentim hirsutus; verticillaster laxus 2–8-floris. Bractæ parvæ ovato-lanceolatæ glabræ. Pedicelli 2–4 mm longi sub lente minutissime retrorso-pilosi. Flores in mense Septembri patentes. Calyces oblongo-campanulati ca. 6 mm longi purpurascens 11–nervi glabrescentes ad nervos minutissime pilosi intus in parte medio hirsuti, bilabiati; labia superiora ca. 2 mm longa leviter curvata; labia inferiora superiore paullo longiora bifida, lobis subtriangulatis apice cuspidatis. Corollæ colore “Matthew’s purple” vel “Petunia violet” 8–9 mm longæ bilabiata; tubi limbo paullo longiores calyce subæquilongi basi albi apice inflati et minute retrorso-pilosi intus medio annulato-pilosi; labia superiora galeata oblongo-navicularia ca. 4 mm. longa extus pilosa apice emarginata; labia inferiora superiore æquilonga triloba, lobo laterale elliptico extus medio albescens et piloso, lobo medio laterale longiore et latiore apice dentato et truncato-emarginato extus medio albescens et piloso ca. 3 mm longo ac lato. Stamina rudimentalia 2 minuta apice pilosula; fertilia 2 ca. 8 mm longa longe exserta divergentia; filamenta ca. 2 mm longa purpurea glabra; connectiva purpurea subrecta ad partem filamentum affixam albo-pilosa; antheræ atro-purpureæ 2 mm longæ.

Styli exserti ca. 10 mm longi purpurei recti glabri, stigmatibus inaequaliter bifido. Semina elliptica obsolete trigona ca. 2 mm longa laevia.

Nom. Jap. *Shimaji-tamurasô* (NAKAI in sched.)

Hab. Honshu: prov. Ise: in monte Shimajiyama (T. NAKAI—Oct. 1932). prov. Kii: in oppido Sashiki-mura (Y. OGAWA, no. 25—Sep. 13, 1936)—ibid. (cult. in Tokyo) (H. HARA—Sep. 3, 1937).

The plant is allied to *Salvia rosulata* NAKAI, but differs from the latter in its late-flowering habit, its glabrescent inflorescence, its hairy stamens, etc.

92) **Scutellaria parvifolia** KOIDZUMI in Bot. Mag. Tokyo XXXVIII, p. 92 (1924)

Syn. *Scutellaria indica* L.  $\beta$ . *japonica* FRANCH. et SAV. f. *parvifolia* MAKINO in Bot. Mag. Tokyo XVIII, p. 71 (1904)

*Scutellaria indica* f. *parvifolia* MATSUMURA et KUDO in Bot. Mag. Tokyo XXVI, p. 296 (1912) nom. nud.

*Scutellaria indica*  $\alpha$ . *typica* KUDO, Labiat. Sino-Jap. Prodr. p. 255 (1929) pro parte.

var. **vulgaris** HARA, nom. nov.

Caulis foliaque tomentosa, pilis patentibus vel reclinatis.

Nom. Jap. *Birôdo-namiki*, *Ko-tatsunamisô* (MAKINO 1896), *Kobano-tatsunamisô* (MAKINO).

Hab. Honshu media et occidentalis, Shikoku, Kyushu et Liukiu.

f. **alba** HARA, f. nov.

Flores albi. Planta vulgo viridis.

Nom. Jap. *Shirobana-birôdonamiki* (nom. nov.)

Hab. cult. in Hort. Bot. Koishikaw. Tokyo.

f. **lilacina** HARA, f. nov.

Flores lilacini.

Nom. Jap. *Benibana-birôdonamiki* (nom. nov.)

Hab. cult. in Hort. Bot. Koishikaw. Tokyo.

var. **pilosella** HARA, var. nov.

Syn. *Scutellaria indica*  $\beta$ . *japonica*, f. *parvifolia* MAKINO, l.c. (1904) quoad pl. ex Tanokuchi.

Caulis pilis minutis vulgo retrorso-curvatis obtectus. Folia utrinque minute pilosa.

Nom. Jap. *Usuge-kobanotatsunamisô* (nov.)

Hab. Shikoku. prov. Tosa: in oppido Tanokuchi, Hata-gôri (K. WATANABE—Oct. 26, 1891—typus)—Nakamura, Hata-gôri (S. TAMAKI—Aug. 1913)—Sôro (Shimokawaguchi), Hata-gôri (S. SAITO—Mar. 26, 1924).

Kyushu. prov. Ôsumi: Shibushi (S. SAITO—Apr. 4, 1924)

This is an interconnecting form between var. *vulgaris* and var. *glabra*.

var. **glabra** HARA, var. nov.

Caulis glaber raro pilis patentibus brevibus parce obtectus minutissime glanduloso-punctulatus. Folia glabra vel pulveraceo-pilosula supra lueida.

Nom. Jap. *Teriha-kobanotatsunamisô* (nov.)

Hab. Honshu. prov. Shima: in littore Is. Kashikojima (T. MAGOHUKU, no. 296—Aug. 17, 1937—typus).

93) **Youngia formosana** (HAYATA) HARA, comb. nov.

Syn. *Crepis formosana* HAYATA, Mater, Fl. Formosa p. 163 (1911); Gener. Ind. Fl. Form. p. 38 (1917); Icon. Pl. Form. VIII, p. 79 (1919)—MASAMUNE, Short Fl. Formosa p. 219 (1936)

*Crepis japonica* var. *formosana* YAMAMOTO in Journ. Soc. Trop. Agr. VIII, p. 356 (1936)

Nom. Jap. *Takao-tabirako* (HAYATA).

Hab. Formosa (Tokao).

The leaves are velvety, and thicker than *Y. japonica* (L.) DC.

94) **Youngia gymnopus** (KOIDZUMI) HARA, comb. nov.

Syn. *Crepis gymnopus* KOIDZUMI in Bot. Mag. Tokyo XXXI, p. 141 (1917)

Nom. Jap. *Yezo-takane-nigana* (KOIDZUMI).

Hab. Yezo (Mt. Apoi, Mt. Yubari, et Nupromapporo in prov. Teshio).

The achenia are slightly compressed, and finely and unequally 17–20-ribbed.

In accordance with the opinion of Prof. BABCOCK and STEBBINS in re-establishing the genus *Youngia*, I made above two combinations.

95) **Sparganium Kawakamii** HARA, sp. nov.

Syn. *Sparganium affine* SCHNIZL. var. nov. GRAEBNER ex KAWAKAMI in Bot. Mag. Tokyo XV, p. [217] (1901)

*Sparganium diversifolium* (non GRAEBNER) MIYABE et KUDO, Fl. Hokk. & Saghal. II, p. 84 (1931) quoad pl. et Etorofu.

Caulis elongatus fluitans 60 cm vel ultra longus. Folia longissima fluitantia 2-3 mm lata crassiuscula, caulina basi vaginato-inflata margine scariosa, superiora 3-5 mm lata supra basin inflato-dilatata basi angustata margine non scariosa vel anguste scariosa.

Inflorescentia ascendens interdum flexuosa simplex. Capitula ♂ 2-5 ex capitulis ♀ distantia subaggregata infima sæpe paullo remota; filamentis tenuissimis ca. 5 mm longis, antheris lineari-oblongis ca. 1.2 mm longis latitudine fere 4-plo longioribus. Capitula ♀ 2-3 remota axillaria, infima vulgo longe pedunculata, pedunculis 1.5-11 cm longi rarissime tantum basi ad axin connatis, stylis distinctis ca. 1 mm longis, stigmatibus linearibus ca. 0.8 mm longis, tepalis ca. 2.5 mm longis spathulatis versus apicem eroso-dentatis. Capitula fructifera ca. 1.3 cm in diametro. Fructus (immaturi) fusiformes, corporibus ca. 3 mm longis 2 mm latis medio paullo constrictis, rostris 1-2 mm longis paullo curvatis, stipitibus ca. 1.5 mm longis.

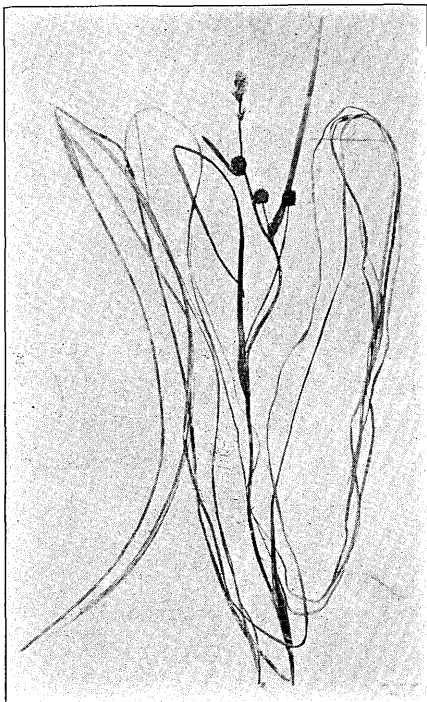


Fig. 47 *Sparganium Kawakamii* HARA  
えとろふさう 擇捉島、留別産

Nom. Jap. *Etorofusô* (KAWAKAMI 1901).

Hab. Kuriles. Ins. Etorofu: Ponto, Rubetsu (T. KAWAKAMI-Aug. 26, 1898 in Herb. Agr. Hokk. Imp. Univ. et Herb. Mus. Sci. Tokyo)—circum Rubetsu (S. SAITO-Aug. 25, 1928)—ibid. (H. KOIDZUMI, no. 24845-49-Aug. 6, 1930 in Herb. H. Koidz.).

The species differs from *Sparganium angustifolium* MICHAUX (*S. affine* SCHNIZL.) by having axillary pistillate heads and upper cauline leaves without scarious dilatate margin. This plant resembles much to *S. speirocephalum* NEUMAN of Scandinavia which is now considered as the hybrid between *S. affine* SCHNIZL. and *S. Friesii* BEURL. The both parent species, however, have not been recorded from the neighbourhood of our district.

89) **てりはあかしようま**(新稱) 九州ノ山地ニハあかしようまニ似テ、葉ガ稍厚ク光澤アリ、小葉ハ基部多クハ心臟形ヲナシ、花ハ淡紅色稀ニ白色ヲ呈スル一種ガアル。朝鮮ノやちまたただけざしニモ似テヘルガ、朝鮮ノモノハ花瓣ガ長ク線形デ尖リ、葉裏ヤ葉柄ニ顯著ナ腺毛ガアル點デ異ナル。新種トシテ **Astilbe kiusiana** HARA ト命名スル。

90) **てつかへて** *Acer parviflorum* FRANCH. et SAV. ノ名ハ、古ク同名ヲ EHRHART ガ *A. spicatum* LAM. ニツケタ事ガアルノデ用ヒラレナイカラ、**A. nipponicum** HARA ト改名スル。

91) **しまぢなむらさう**(中井教授新稱) 伊勢島路山ヤ紀州<sup>サシキ</sup>五西月村ニ産シ、九月頃濃紅紫色ノ美シイ花ヲ開ク。葉ガ莖ノ下部ニ集マル様子ハいはたむらさう(*Salvia rosulata* NAKAI) ニ近イガ、花期ガ遅ク、萼・花梗等ニハ微細ナ毛ガアルノミデ、雄蕊ニ毛ガアリ別種デアル。中井教授ガ東大腊葉室ニ手記サレテキル **S. isensis** NAKAI ヲ起用スル。

92) **こばのたつなみさう**ノ變種 こばのたつなみさうノ普通形ハ莖・葉ニ密毛アリモハ長ク開出又ハ傾下スルモノデ、本州中部以西・四國・九州・琉球ニ廣ク分布シテキル。コノ形ヲ *Scutellaria parvifolia* KOIDZUMI var. **vulgaris** HARA ト名付ケ、白花品ヲ**しろばねびろうどなみき**(f. *alba* HARA)、紅花品ヲ**べにばねびろうどなみき**(f. *lilacina* HARA) トスル。四國・九州ノ一部ニハ莖・葉ニ細毛ヲ布キモハ概ネ下方ヘ屈曲シテキルモノガアル。中間形モアルガ、變種トシテ**うすげこばのたつなみさう**(var. *pilosella* HARA)トシテ區別シテオク。更ニ全體殆ド無毛デ葉ニ光澤アル一品ガ孫福正氏ニヨツテ志摩賢島海岸デ見出サレタ。コレヲ**てりはこばのたつなみさう**(var. *glabra* HARA)トスル。

93) **たかをたびらこ** 最近 BABCOCK, STEBBINS 兩氏ハ、おにたびらこ類ハ *Crepis* ト異ナリ瘦果ハ腹背ニ扁壓サレ不同ノ縦稜ヲ有シ總苞ハ大概無毛デ一頭花中ノ小花數ガ少ク反ツテ *Ixeris* ニ似テ居リ染色體數カラモ別屬トスベキデアルト考ヘ、*Youngia* CASSINI (おにたびらこ屬)ヲ復活サセタ。私ハコノ説ニ賛成スルガ彼等ガおにたびらこ(*Y. japonica* DC.)ノ異名中ニ加ヘタたかをたびらこハ葉ニ密毛ガアリ質ガ厚ク別種トシテヨイト思フ。故ニ學名ヲ **Y. formosana** (HAYATA) HARA ト改メル。

94) **えぞたかねがね** 前種ト同一理由デ **Y. gymnopus** (KOIDZUMI) HARA ト改メ

ル。本種ノ瘡果ハおにたびらこト多少異ナリ、極メテ細イ稍不同ノ 17-20 本ノ縦稜ヲ有スル。

95) えとろふさう 川上瀧彌氏が明治 34 年ノ植物學雜誌 15 卷 [217] 頁ニ擇捉島留別デ採取サレタみぐりノ一種ニ名付ケラレタ和名デアルガ、ソノ後久シク忘レラレテキタ。當時ソノ標本ヲ GRAEBNER ガ *Sparganium affine* SCHNIZL. ノ新變種デアルト鑑定シタモノデ確カニ同種ニ近イガ、雌性頭花ガ通常腋生デアリ、上部ノ莖葉ノ基部ガ餘リ膨クラマナイ點ガ異ツテキル。Scandinavia ニ産スル *S. speirocephalum* NEUMAN ニヨク似テキルガ、コノモノハ *S. affine* ト *S. Friesii* トノ雜種ト認メラレテキテ、コノ兩種ハ擇捉島附近ニ、殊ニ後者ハ千島北海道ニ産シナイ。

## 羊齒類ノ Gametophyte ニ關スル研究 (其三)\*

### たいわんほそゐので及びみぞしたノ原葉體ニ就イテ

百 瀬 靜 男

S. MOMOSE: Studies on the Gametophyte of Ferns (III). On the Prothallium of *Polystichum aculeatum* ROTH var. *taiwanense* NAKAI & MOMOSE and *Leptogramma totta* J. SMITH

#### 1. たいわんほそゐので (ほそばゐので)

たいわんほそゐので (新稱) 一名 ほそばゐので (ほそゐのでト混稱シ易キ故名ヲ變更ス) *Polystichum aculeatum* ROTH<sup>1)</sup> var. *taiwanense* NAKAI & MOMOSE<sup>2)</sup> ハ臺灣ニ普通ナル羊齒デアリ、ゐのでノ多變種ノ中デ臺灣ニハ此一型ガ最も普通デアル。本研究ニ使用シタ材料ハコノ臺灣産ノモノデ阿里山原産デアリ現在ハ小石川植物園ニ栽培サレテ居ルモノデアル。

\* Contribution from the Laboratory of Systematic Botany (Prof. Dr. T. NAKAI) of the Botanical Institute, Faculty of Science, Tokyo Imperial University.

<sup>1)</sup> *Polystichum aculeatum* ノ author ヲ H. SCHOTT 氏トシテ其著 Genera Filicum t. 9 (1834) トスルノハ CARL CHRISTENSEN デアル。然シ *Polystichum* ト云フ屬ハ A. G. ROTH ガ 1799 年ニ ROEMER 氏監修ノ Archiv für Botanik II pt. 1, 106 デ發表シタ屬デアル。而シテ 1800 年ニ Tentamen Floræ Germanicæ Tomus III pars prior p. 79 ニ *Polypodium aculeatum* L. ヲ訂正シテ *Polystichum aculeatum* トシテ居ルカラ之レヲ放棄スル譯ニハ行カヌ。CHRISTENSEN 氏ハ DIELS 氏ガ Pflanzenfamilien 中ニモ SCHOTT トシテ出版シテ居ル様ニ記シテ居ルガ DIELS 氏ハ同上ノ I Abt. 4, p. 191 ニ *P. aculeatum* ROTH トシテ居ル。

<sup>2)</sup> 此新變種ハ幅廣キ鱗片ト幅狭キ鱗片トヲ密ニ混生シ、小羽片ハ小サクテ尖ル臺灣ニ特有ノ一型デアル。